

THESE WINDOWS ARE NOT RATED FOR IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SIGNATURE SERIES

VINYL DOUBLE HUNG WINDOWS (N.I.)

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEETS 3 AND 4.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF D.H./D.H. OR DOUBLE HUNG WITH OTHER
WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING
F.B.C. APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA
BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT
LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

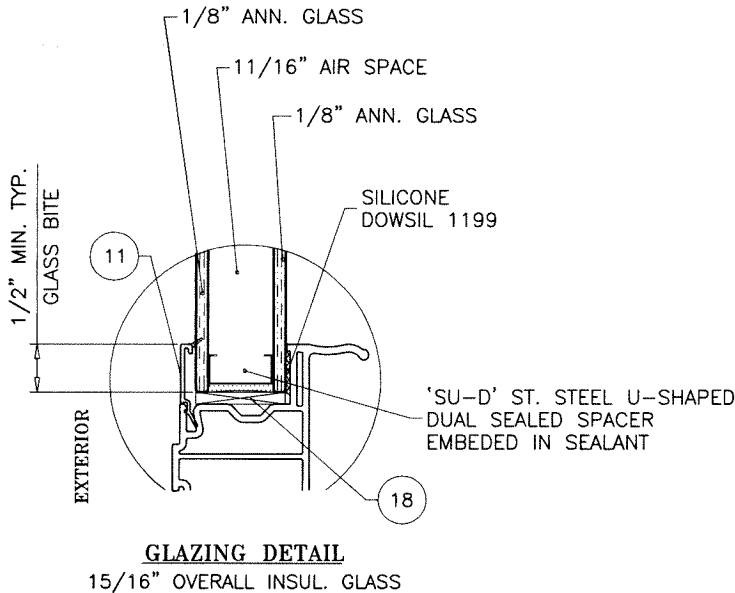
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2023/2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION
IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
LABELING TO COMPLY WITH SECTION 1709.9.2.



FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET
CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES.
COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

INSULATING GLASS
NON IMPACT

Sealed: 9/25/2026

FL #29512

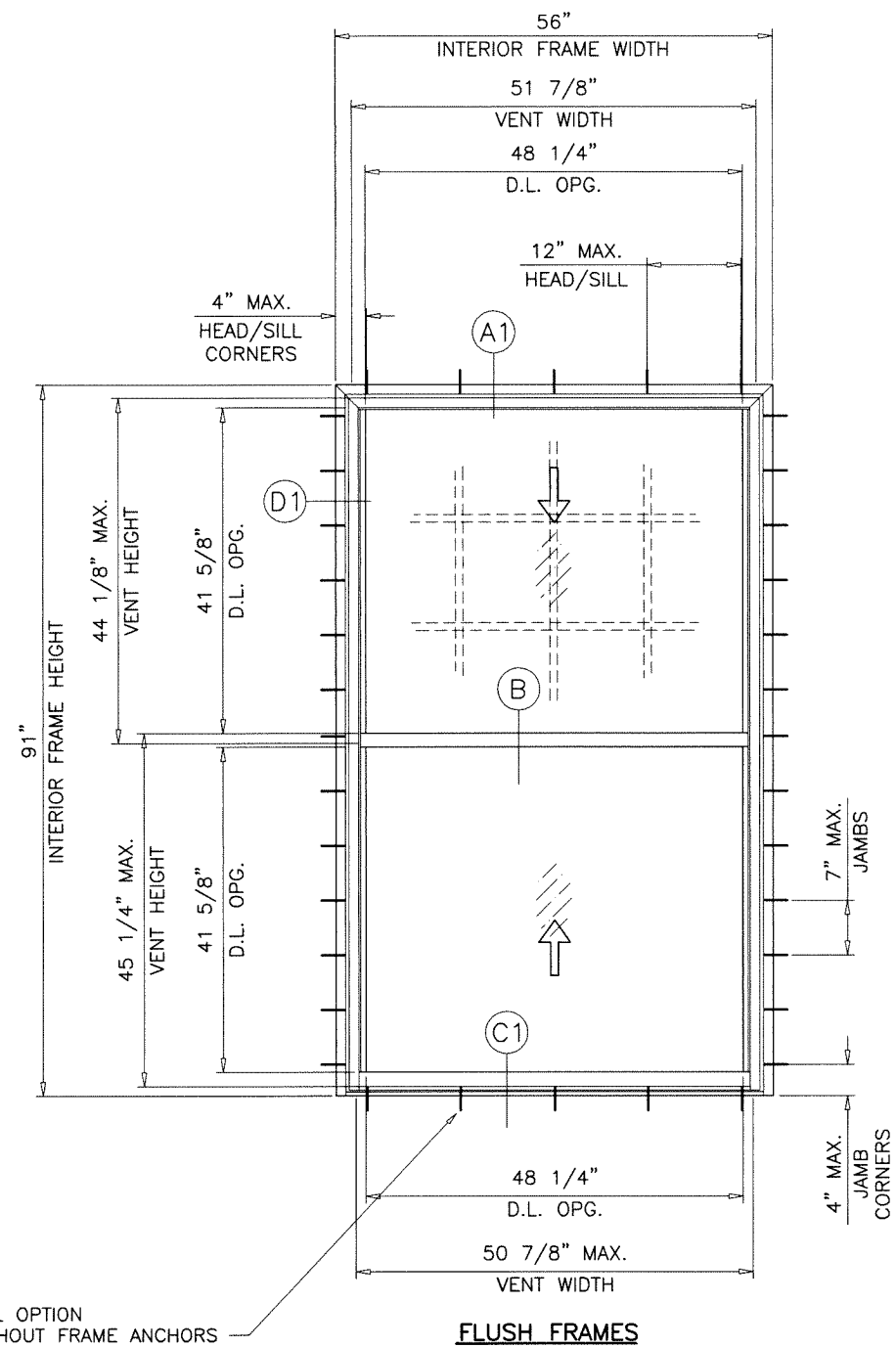
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND
INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION
PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED
ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF
ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED
ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.)
FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER
USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED
ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE
SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF
THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



date: 02-27-19		revisions:			
		no	date	by	description
		A	03.01.21		UPDATED TO 2020 FBC
		B	09.23.26		UPDATED TO 2026 FBC
				</	

SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)
VIVINCO, INC.
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL\19-13F-VI

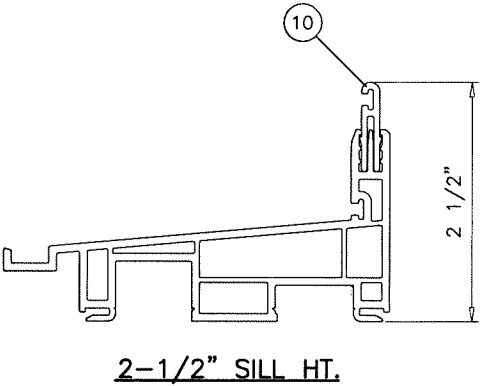
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EQUAL LITES WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	52.5	60.0
18-1/8"	37-3/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	52.5	60.0
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	51.7	60.0
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	50.1	60.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		59.2	75.0	59.2	82.5	59.2	82.5	59.2	82.5	59.2	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	50.1	60.0
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		57.9	75.0	57.9	82.5	57.9	82.5	57.9	82.5	57.9	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	50.1	60.0
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		57.9	75.0	57.9	82.5	57.9	82.5	57.9	82.5	57.9	90.0
52-1/8"		-	-	-	-	-	-	50.1	60.0	50.1	60.0

SEE SHEET 5 FOR REINF. DETAILS

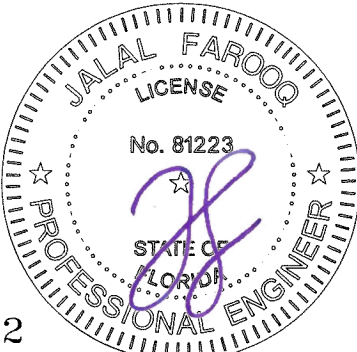
EQUAL LITES WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		55.7	69.8	55.7	79.6	55.7	79.6	55.7	79.6	55.7	83.6
48"		52.1	52.1	55.7	59.4	55.7	59.4	55.7	59.4	55.7	62.3
52"		27.4	27.4	41.7	41.7	49.3	49.3	50.1	51.7	50.1	51.7
56"		-	-	-	-	-	-	46.4	46.4	46.4	46.4
30"	72"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		55.7	68.3	55.7	77.9	55.7	77.9	55.7	77.9	55.7	81.8
48"		50.0	50.0	55.7	57.1	55.7	57.1	55.7	57.1	55.7	60.0
52"		26.2	26.2	39.6	39.6	47.2	47.2	49.4	49.4	49.4	49.4
56"		-	-	-	-	-	-	44.2	44.2	44.2	44.2
30"	80"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.1	75.0	61.1	82.7	61.1	82.7	61.1	82.7	61.1	90.0
40"		55.7	67.6	55.7	77.1	55.7	77.1	55.7	77.1	55.7	81.0
48"		28.7	28.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
52"		25.0	25.0	-	-	45.0	45.0	47.3	47.3	47.3	47.3
56"		-	-	-	-	-	-	42.0	42.0	42.0	42.0
30"	91"	61.3	75.0	61.3	82.7	61.3	82.7	61.3	82.7	61.3	87.8
36"		55.7	75.0	55.7	82.7	55.7	82.7	55.7	82.7	55.7	83.9
40"		37.5	37.5	55.7	77.1	55.7	77.1	55.7	77.1	55.7	77.1
48"		-	-	-	-	-	-	50.1	52.7	50.1	52.7
52"		-	-	-	-	-	-	45.5	45.5	45.5	45.5
56"		-	-	-	-	-	-	40.0	40.0	40.0	40.0
30"	96"	61.3	75.0	61.3	80.9	61.3	81.8	61.3	80.9	61.3	81.8
36"		55.7	74.4	55.7	78.1	55.7	78.8	55.7	78.1	55.7	78.8
40"		37.5	37.5	55.7	74.2	55.7	74.2	55.7	74.2	55.7	74.2
48"		-	-	-	-	-	-	50.1	52.5	50.1	52.5
52"		-	-	-	-	-	-	45.0	45.0	45.0	45.0
56"		-	-	-	-	-	-	-	-	-	-

SEE SHEET 5 FOR REINF. DETAILS



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

FL #29512



Sealed: 9/25/2026

AL-FAROOQ CORPORATION
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COMP-ANL\19-13F-VI

SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

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revisions:
no date by description

date: 02-27-19
scale: -
dr. by: TARIQ
chk. by:

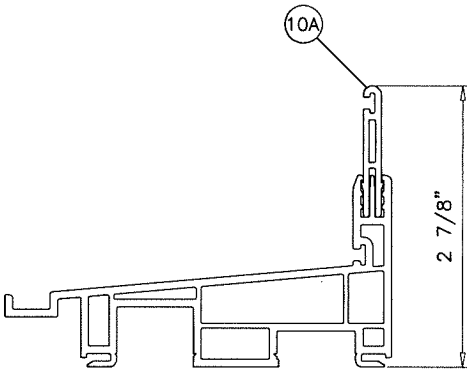
drawing no.
19-13F
sheet 3 of 11

EQUAL LITES WINDOWS (2-7/8" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	37-3/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52-1/8"		-	-	-	-	-	-	60.0	60.0	60.0	60.0

SEE SHEET 5 FOR REINF. DETAILS

EQUAL LITES WINDOWS (2-7/8" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		65.5	69.8	65.5	79.6	65.5	79.6	65.5	79.6	65.5	83.6
48"		52.1	52.1	59.4	59.4	59.4	59.4	59.4	59.4	62.3	62.3
52"		27.4	27.4	41.7	41.7	49.3	49.3	51.7	51.7	51.7	51.7
56"		-	-	-	-	-	-	46.4	46.4	46.4	46.4
30"	72"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		65.5	68.3	65.5	77.9	65.5	77.9	65.5	77.9	65.5	81.8
48"		50.0	50.0	57.1	57.1	57.1	57.1	57.1	57.1	60.0	60.0
52"		26.2	26.2	39.6	39.6	47.2	47.2	49.4	49.4	49.4	49.4
56"		-	-	-	-	-	-	44.2	44.2	44.2	44.2
30"	80"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	90.0
40"		65.5	67.6	65.5	77.1	65.5	77.1	65.5	77.1	65.5	81.0
48"		28.7	28.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
52"		25.0	25.0	-	-	45.0	45.0	47.3	47.3	47.3	47.3
56"		-	-	-	-	-	-	42.0	42.0	42.0	42.0
30"	91"	65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	87.8
36"		65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	83.9
40"		37.5	37.5	65.5	77.1	65.5	77.1	65.5	77.1	65.5	77.1
48"		-	-	-	-	-	-	52.7	52.7	52.7	52.7
52"		-	-	-	-	-	-	45.5	45.5	45.5	45.5
56"		-	-	-	-	-	-	40.0	40.0	40.0	40.0
30"	96"	65.5	75.0	65.5	80.9	65.5	81.8	65.5	80.9	65.5	81.8
36"		65.5	74.4	65.5	78.1	65.5	78.8	65.5	78.1	65.5	78.8
40"		37.5	37.5	65.5	74.2	65.5	74.2	65.5	74.2	65.5	74.2
48"		-	-	-	-	-	-	52.5	52.5	52.5	52.5
52"		-	-	-	-	-	-	45.0	45.0	45.0	45.0

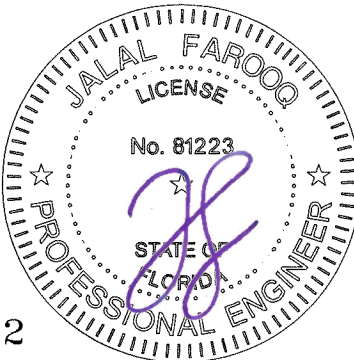
SEE SHEET 5 FOR REINF. DETAILS



2-7/8" SILL HT.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

FL #29512



afC

AL-FAROOQ CORPORATION
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SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

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851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

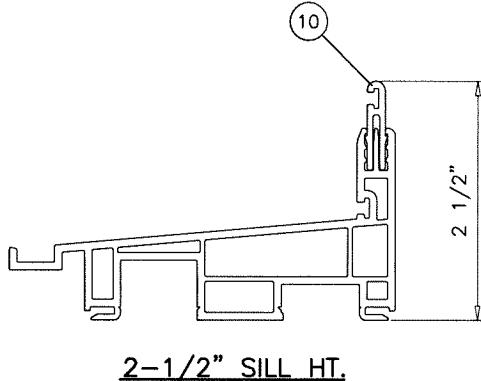
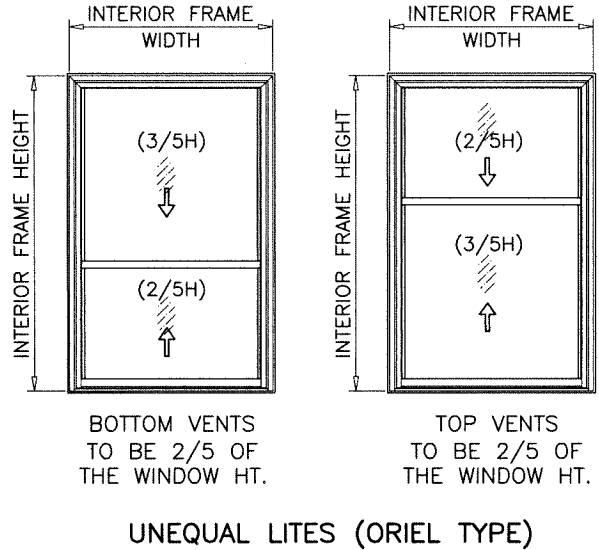
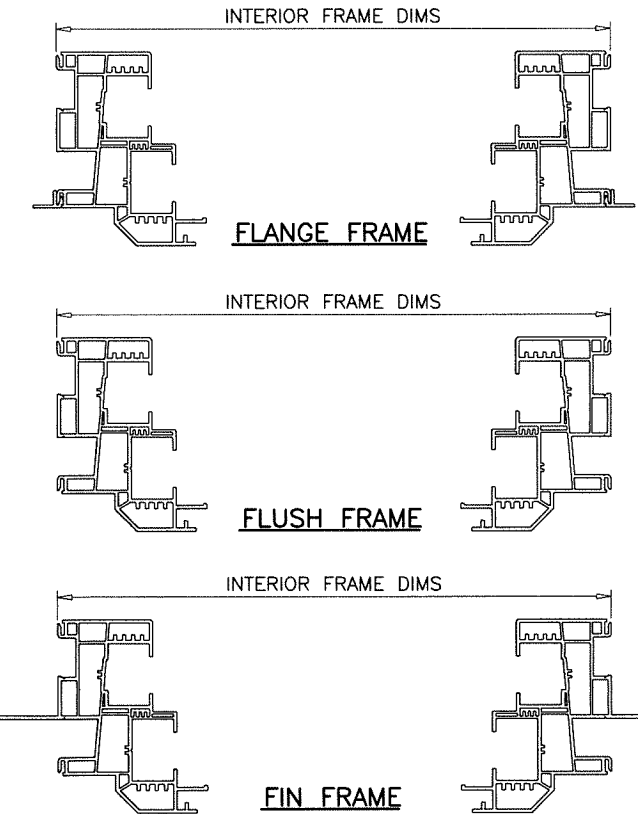
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date:	02-27-19	scale:	-	
dr. by:	TARIQ	chk. by:		
drawing no.	19-13F	sheet	3.1 of 11	

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	55.7	82.5	60.0	82.5	60.0	82.5	60.0	82.5
52-1/8"		-	-	-	-	-	-	50.1	59.8	50.1	59.8
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	60.0	82.5	60.0	82.5	60.0	82.5	60.0	82.5
52-1/8"		-	-	-	-	-	-	50.1	56.0	50.1	56.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	55.7	82.5	55.7	82.5	55.7	82.5	55.7	82.5
52-1/8"		-	-	-	-	-	-	50.1	52.3	50.1	52.3
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1
36"		55.7	75.0	55.7	82.5	55.7	82.5	55.7	82.5	55.7	82.5
52-1/8"		-	-	-	-	-	-	48.9	48.9	48.9	48.9
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2
36"		55.7	75.0	55.7	82.0	55.7	82.0	55.7	82.0	55.7	82.0
52-1/8"		-	-	-	-	-	-	47.7	47.7	47.7	47.7

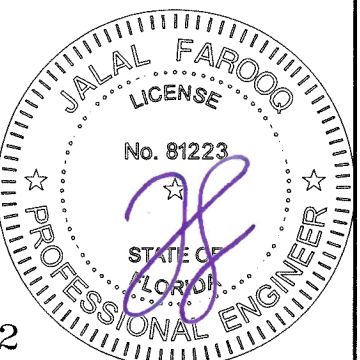
SEE SHEET 5 FOR REINF. DETAILS

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
40"		55.7	65.9	60.0	75.1	60.0	78.8	60.0	75.1	60.0	79.1
42"		55.7	65.9	56.1	75.1	56.1	75.1	56.1	75.1	56.1	79.1
48"		31.4	31.4	55.0	60.5	55.7	60.5	55.0	60.5	55.7	60.5
52"		27.8	27.8	40.0	40.0	50.1	52.6	50.1	52.6	50.1	52.6
56"		-	-	-	-	-	-	47.2	47.2	47.2	47.2
30"	72"	71.0	94.2	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	88.7
40"		40.0	40.0	55.7	73.5	55.7	77.3	55.7	73.5	55.7	77.3
42"		37.5	37.5	55.7	73.5	55.7	73.5	55.7	73.5	55.7	73.5
48"		30.4	30.4	30.4	30.4	54.6	54.6	50.1	57.4	54.6	57.4
52"		20.8	20.8	26.0	26.0	36.6	36.6	50.1	50.5	50.1	50.5
56"		-	-	-	-	-	-	45.1	45.1	45.1	45.1
30"	80"	61.3	80.6	61.3	80.6	61.3	81.8	61.3	80.6	61.3	81.8
36"		55.7	74.4	55.7	77.9	55.7	78.8	55.7	77.9	55.7	78.8
40"		37.3	37.3	55.7	71.4	55.7	71.4	55.7	71.4	55.7	71.4
42"		37.3	37.3	53.7	53.7	55.7	67.2	53.7	60.0	55.7	67.2
48"		22.9	22.9	28.7	28.7	40.3	40.3	50.1	55.6	50.1	55.6
52"		20.0	20.0	25.0	25.0	35.0	35.0	48.5	48.5	48.5	48.5
56"		-	-	-	-	-	-	-	-	-	-
30"	91"	55.7	65.7	60.0	68.2	60.0	68.2	60.0	68.2	60.0	68.2
36"		37.5	37.5	55.7	60.0	55.7	66.1	55.7	60.0	55.7	66.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	50.1	60.0	50.1	60.0
42"		28.6	28.6	35.7	35.7	50.1	50.1	50.1	60.0	50.1	60.0
30"	96"	55.7	60.8	55.7	63.8	55.7	63.8	55.7	63.8	55.7	63.8
36"		37.5	37.5	37.5	37.5	55.7	61.1	50.1	60.0	55.7	61.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	50.1	60.0	52.5	60.0
42"		28.4	28.4	35.5	35.5	49.8	49.8	50.1	59.0	52.5	59.0

SEE SHEET 5 FOR REINF. DETAILS



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



FL #29512

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-13F-VI

SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:
no date by description

date: 02-27-19 scale: - dr. by: TARIQ chk. by:

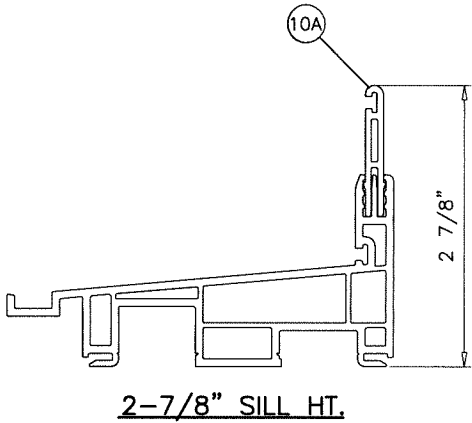
drawing no.
19-13F
sheet 4 of 11

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-7/8" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		-	-	-	-	-	-	59.8	59.8	59.8	59.8
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		-	-	-	-	-	-	56.0	56.0	56.0	56.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		-	-	-	-	-	-	52.3	52.3	52.3	52.3
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		-	-	-	-	-	-	48.9	48.9	48.9	48.9
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2
36"		65.5	75.0	65.5	82.0	65.5	82.0	65.5	82.0	65.5	82.0
52-1/8"		-	-	-	-	-	-	47.7	47.7	47.7	47.7

SEE SHEET 5 FOR REINF. DETAILS

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-7/8" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
40"		65.5	65.9	65.5	75.1	65.5	78.8	65.5	75.1	65.5	79.1
42"		65.5	65.9	65.5	75.1	65.5	75.1	65.5	75.1	65.5	79.1
48"		31.4	31.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
52"		27.8	27.8	40.0	40.0	52.6	52.6	52.6	52.6	52.6	52.6
56"		-	-	-	-	-	-	47.2	47.2	47.2	47.2
30"	72"	71.0	94.2	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	88.7
40"		40.0	40.0	65.5	73.5	65.5	77.3	65.5	73.5	65.5	77.3
42"		37.5	37.5	65.5	73.5	65.5	73.5	65.5	73.5	65.5	73.5
48"		30.4	30.4	30.4	30.4	54.6	54.6	57.4	57.4	57.4	57.4
52"		20.8	20.8	26.0	26.0	36.6	36.6	50.5	50.5	50.5	50.5
56"		-	-	-	-	-	-	45.1	45.1	45.1	45.1
30"	80"	65.5	80.6	65.5	80.6	65.5	81.8	65.5	80.6	65.5	81.8
36"		65.5	74.4	65.5	77.9	65.5	78.8	65.5	77.9	65.5	78.8
40"		37.3	37.3	65.5	71.4	65.5	71.4	65.5	71.4	65.5	71.4
42"		37.3	37.3	53.7	53.7	65.5	67.2	60.0	60.0	65.5	67.2
48"		22.9	22.9	28.7	28.7	40.3	40.3	55.6	55.6	55.6	55.6
52"		20.0	20.0	25.0	25.0	35.0	35.0	48.5	48.5	48.5	48.5
56"		-	-	-	-	-	-	-	-	-	-
30"	91"	65.5	65.7	65.5	68.2	65.5	68.2	65.5	68.2	65.5	68.2
36"		37.5	37.5	60.0	60.0	65.5	66.1	60.0	60.0	65.5	66.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	60.0	60.0	60.0	60.0
42"		28.6	28.6	35.7	35.7	50.1	50.1	60.0	60.0	60.0	60.0
30"	96"	60.8	60.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
36"		37.5	37.5	37.5	37.5	61.1	61.1	60.0	60.0	61.1	61.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	60.0	60.0	60.0	60.0
42"		28.4	28.4	35.5	35.5	49.8	49.8	59.0	59.0	59.0	59.0

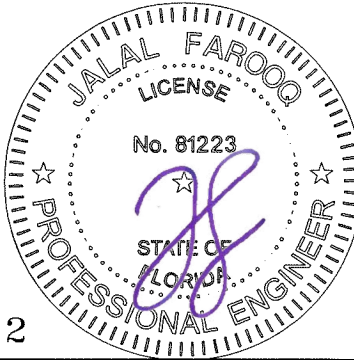
SEE SHEET 5 FOR REINF. DETAILS



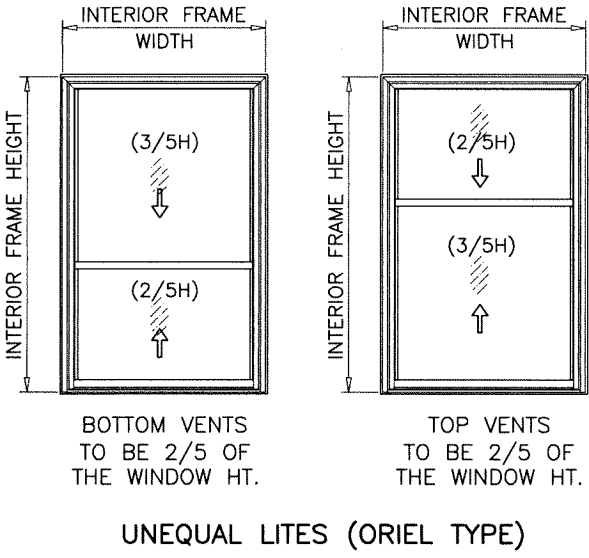
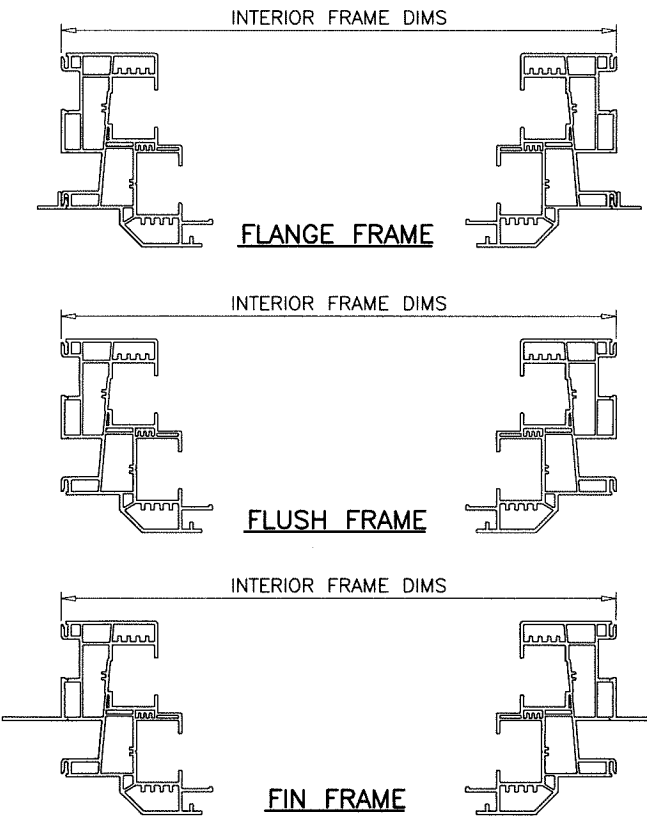
2-7/8" SILL HT.

Sealed: 9/25/2026

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



FL #29512



UNEQUAL LITES (ORIEL TYPE)

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

af c

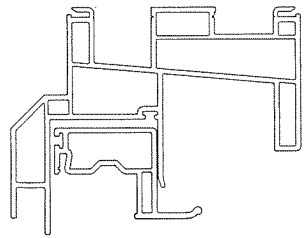
SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

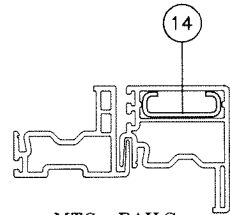
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no date by description

date: 02-27-19 scale: - dr. by: TARIQ chk. by:

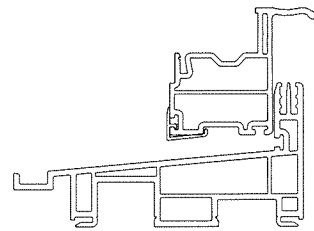
drawing no.
19-13F
sheet 4.1 of 11



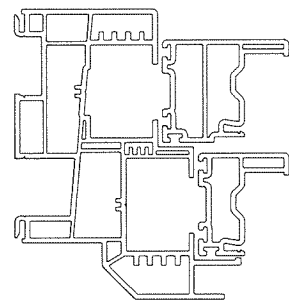
VENT TOP RAIL



MTG. RAILS

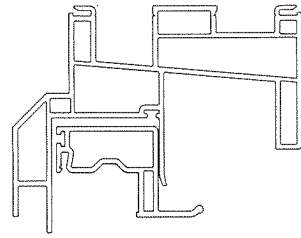


VENT BOTTOM RAIL

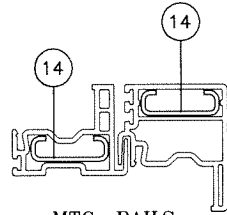


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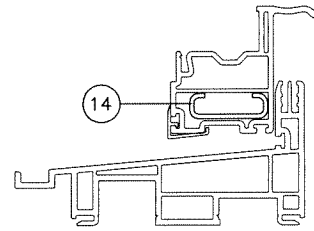
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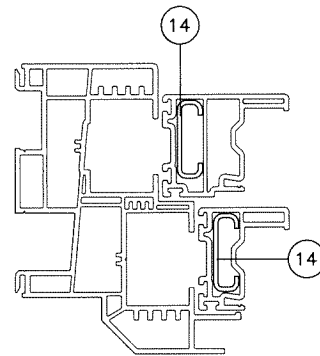
VENT TOP RAIL



MTG. RAILS

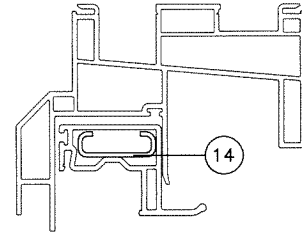


VENT BOTTOM RAIL

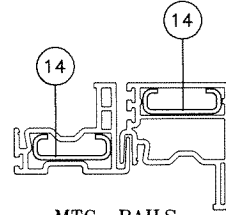


SIDE STILE

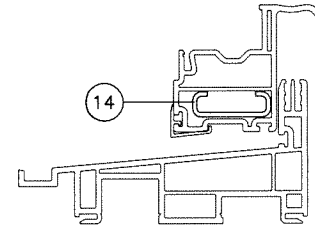
REINF. 'FMTR'



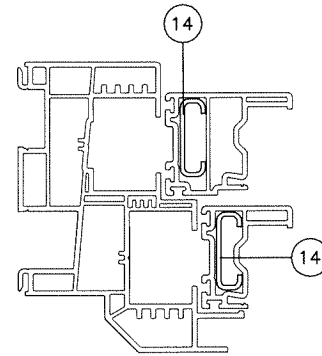
VENT TOP RAIL



MTG. RAILS

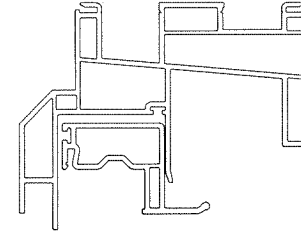


VENT BOTTOM RAIL

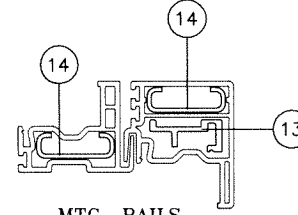


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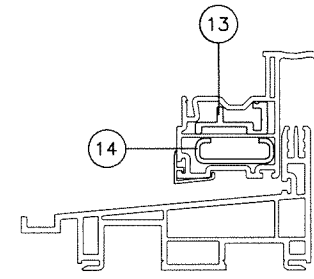
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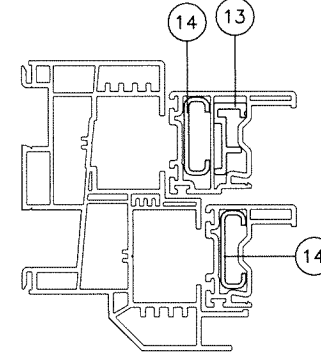
VENT TOP RAIL



MTG. RAILS

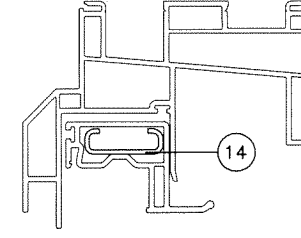


VENT BOTTOM RAIL

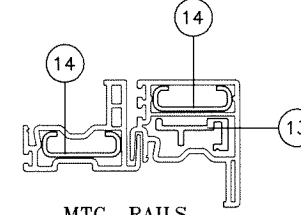


SIDE STILE

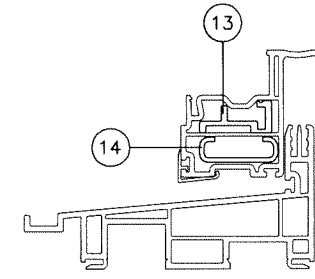
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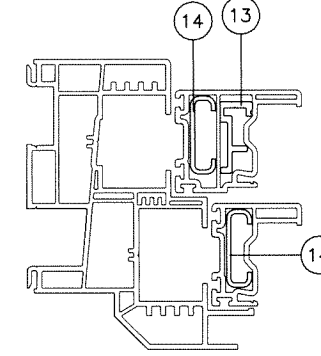
VENT TOP RAIL



MTG. RAILS



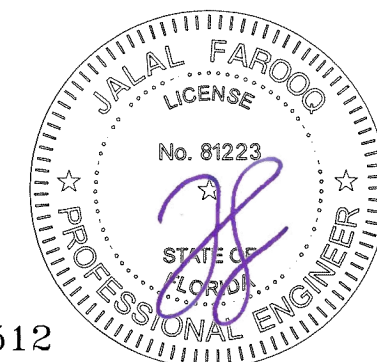
VENT BOTTOM RAIL



SIDE STILE

REINF. 'FULL4'

Sealed: 9/25/2026



FL #29512



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:	
no	date by description

date: 02-27-19

scale: 3/8" = 1"

dr. by: TARIQ

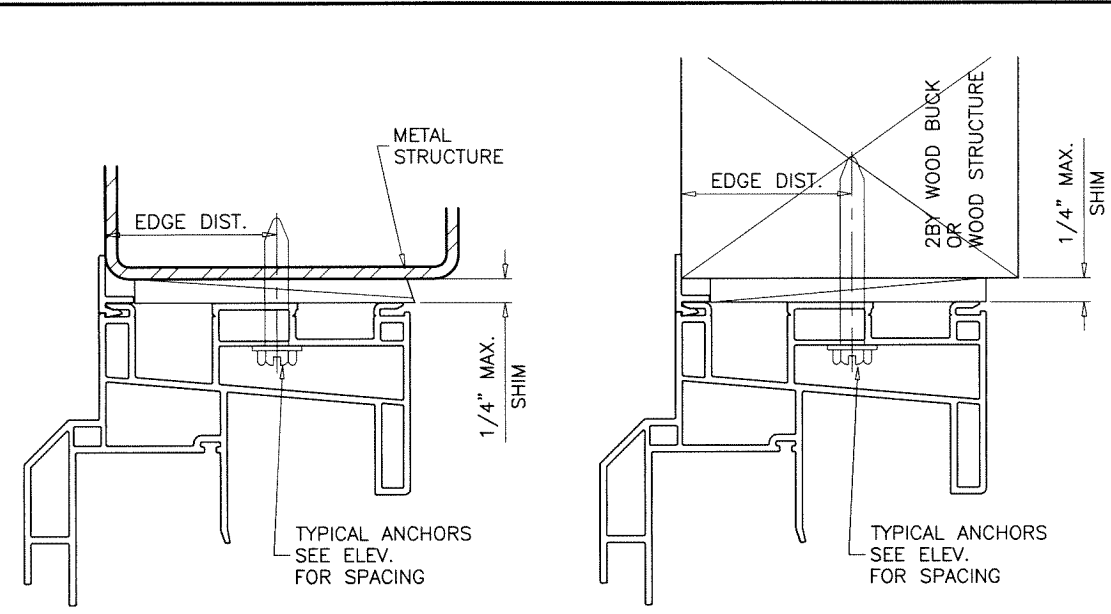
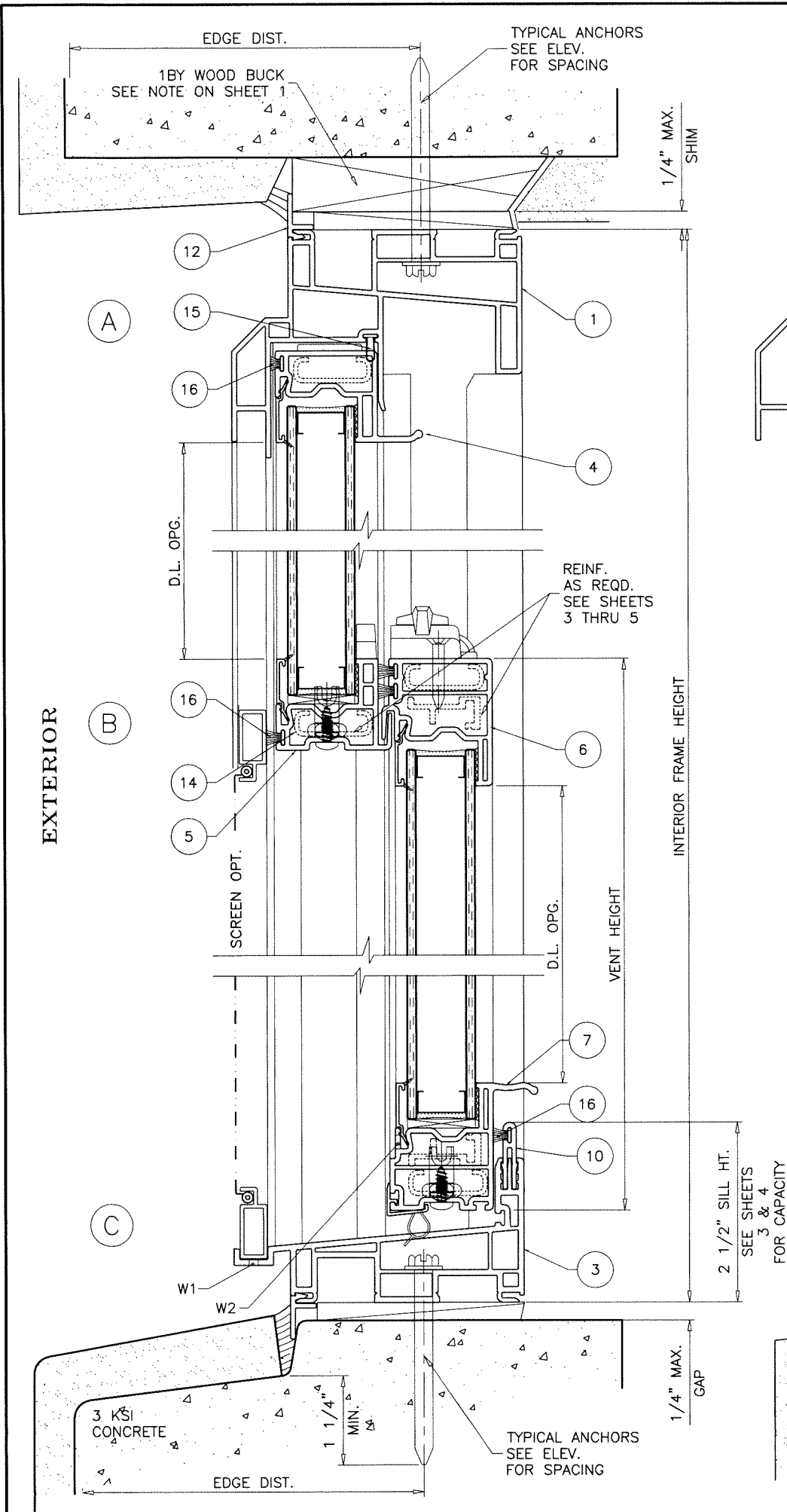
chk. by:

drawing no.

19-13F

sheet 5 of 11

COMP-ANL\19-13F-VI



WOOD BUCKS AND METAL STRUCTURE NOT BY 'VIWINCO' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

WEEPHOLES:

- W1 = 1/8" X 1" WEEP SLOTS AT 2" FROM EACH END
- W2 = 3/16" X 3/8" WEEP SLOTS AT 3-1/2" FROM EACH END

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#10 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

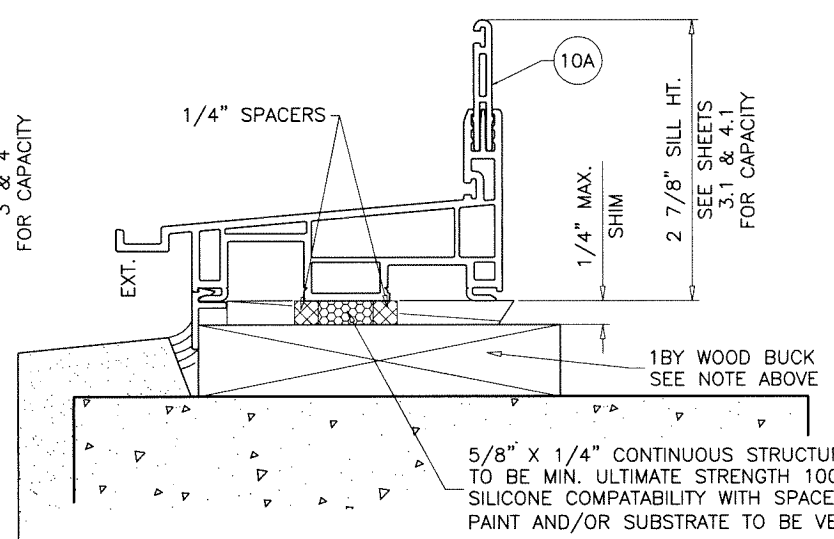
3/16" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#10 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



SILL OPTION WITHOUT FRAME ANCHORS

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FLANGE FRAMES



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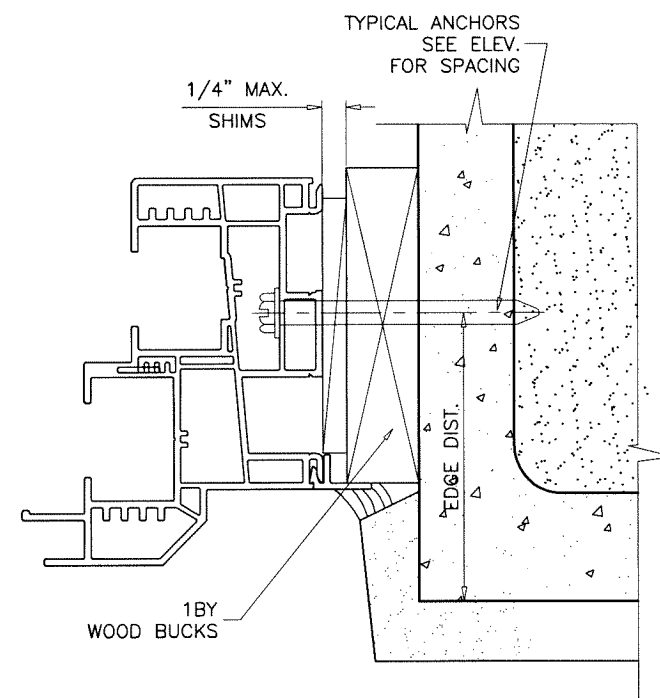
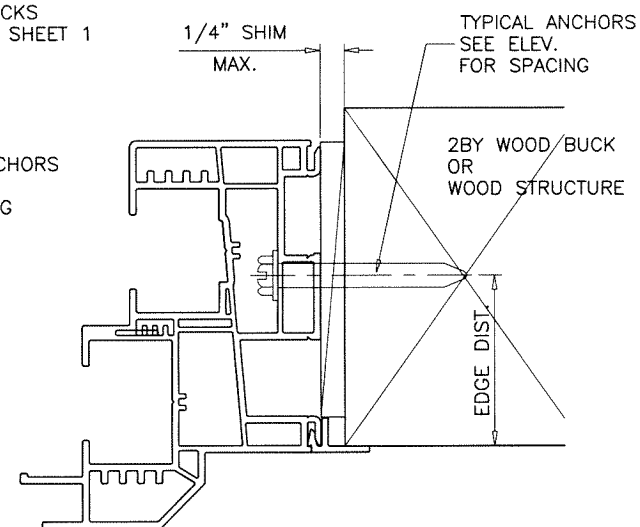
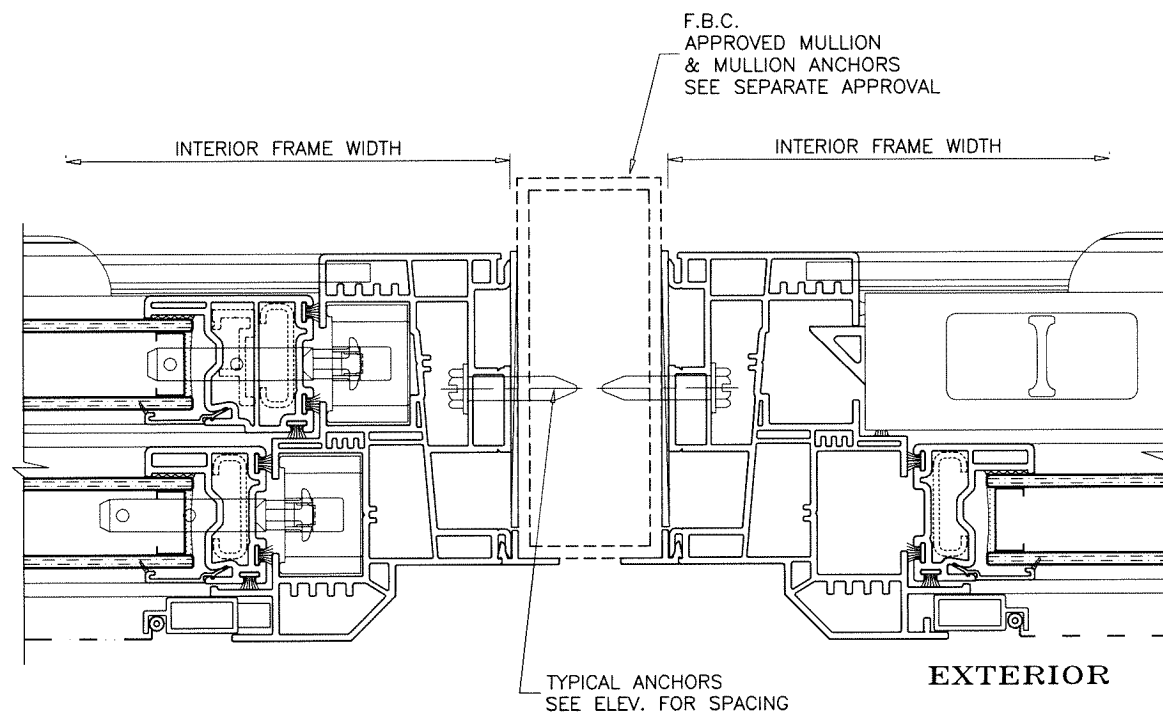
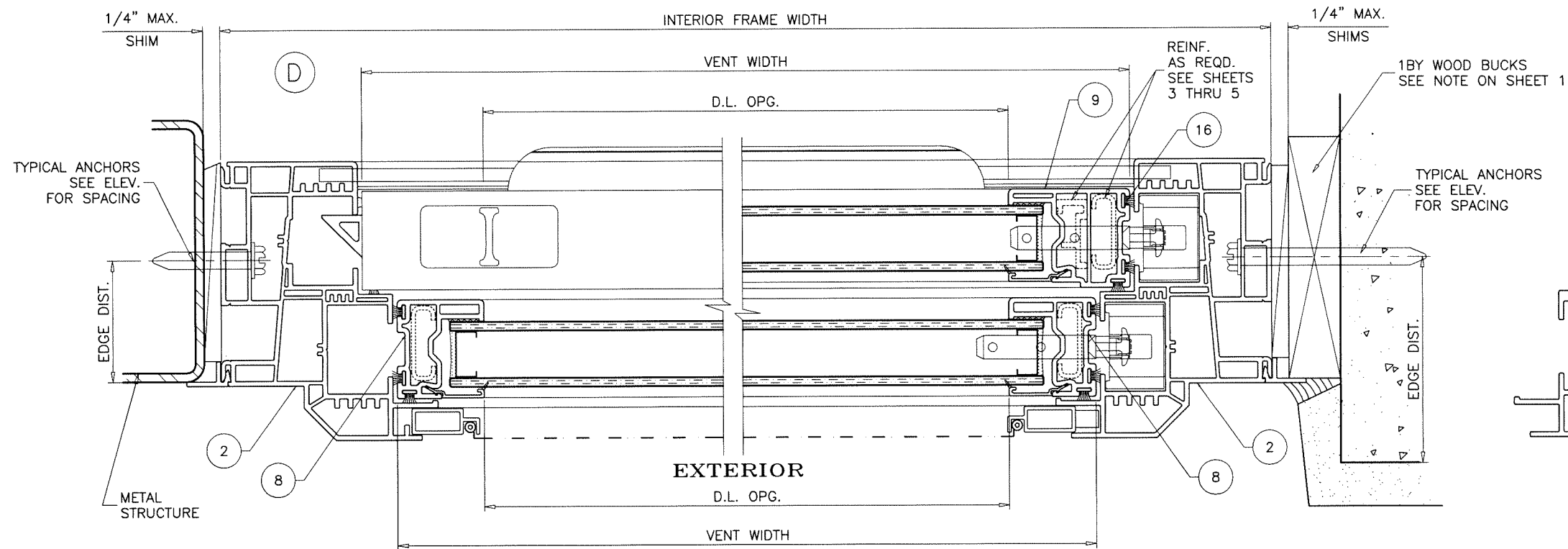
VIWINCO, INC.
 851 HEMLOCK ROAD
 MORGANTOWN, PA. 19543
 PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:

no	date	by	description

date: 02-27-19
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
19-13F
 sheet 6 of 11



Sealed: 9/25/2026

FLANGE FRAMES



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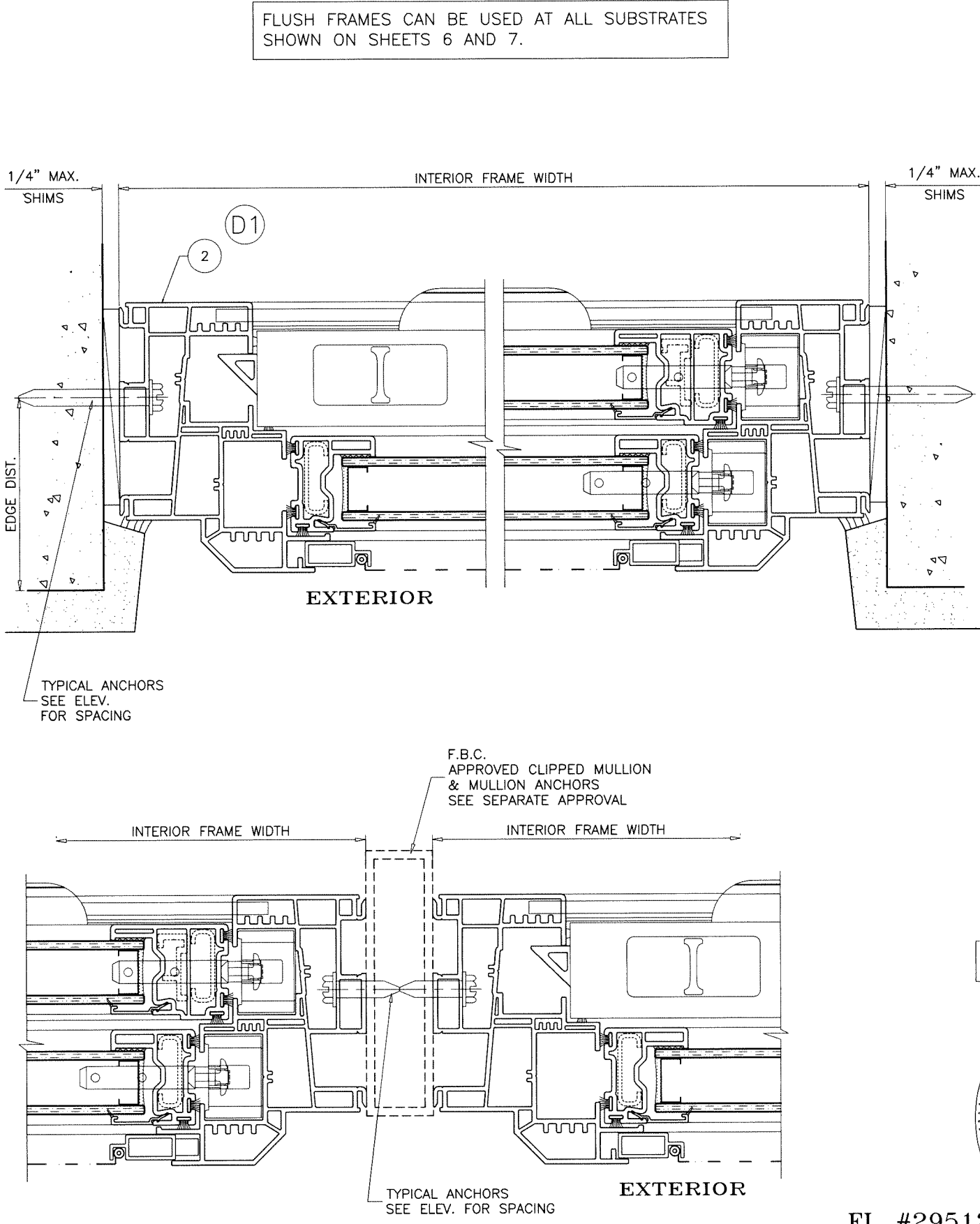
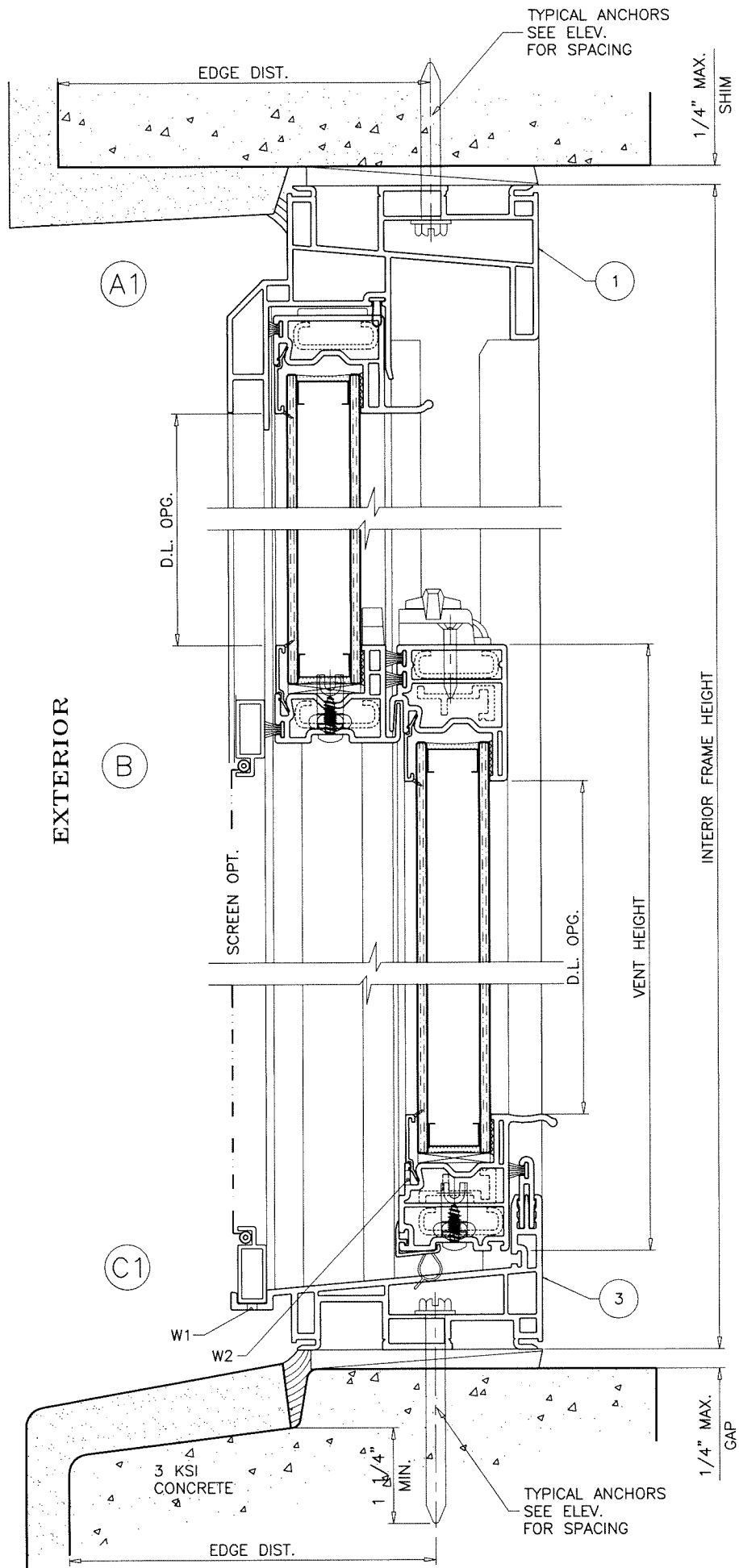
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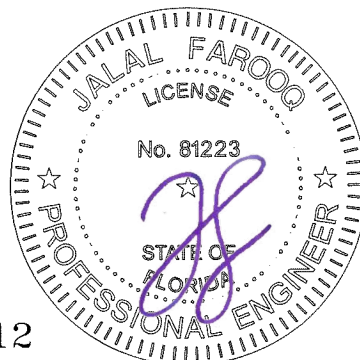
drawing no.
19-13F
sheet 7 of 11



FLUSH FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN ON SHEETS 6 AND 7.

Sealed: 9/25/2026

FLUSH FRAMES



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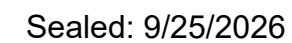
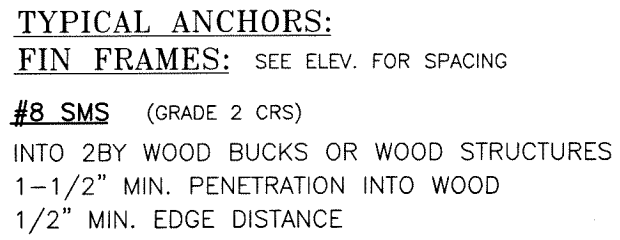
chk. by:

drawing no.

19-13F

sheet 8 of 11

EXTERIOR



FIN FRAMES



FL #29512

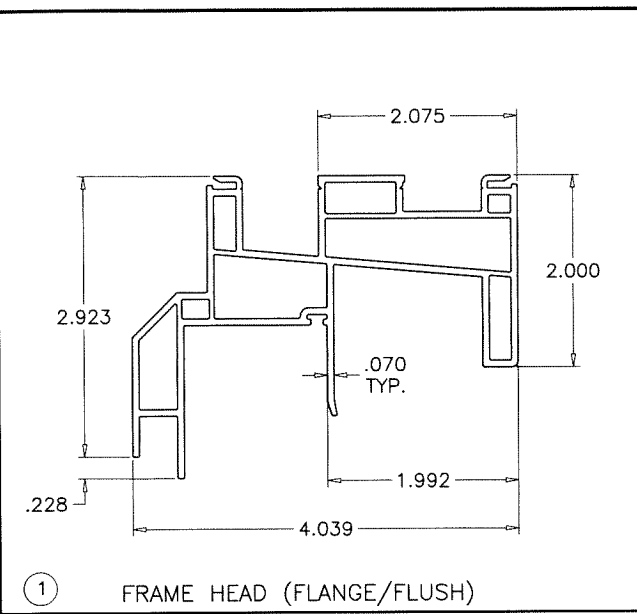
AL-FAROOQ CORPORATION
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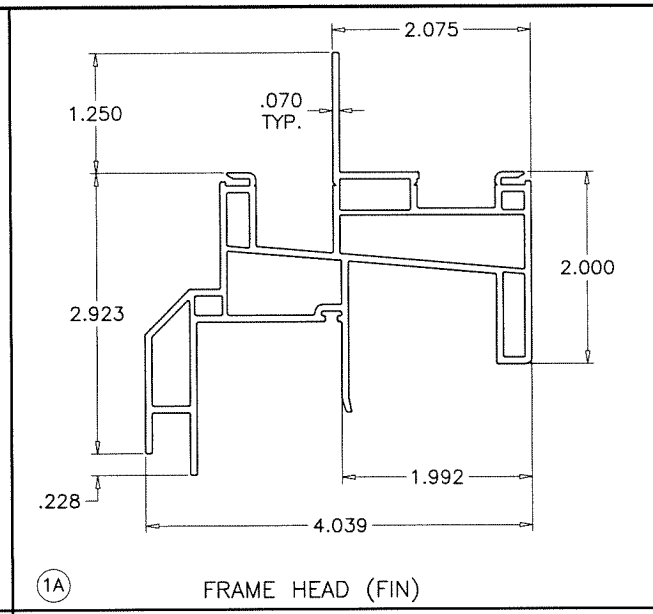
VIWINCO, INC.
851 HEMLOCK ROAD
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PHONE: (610) 286-8884 FAX

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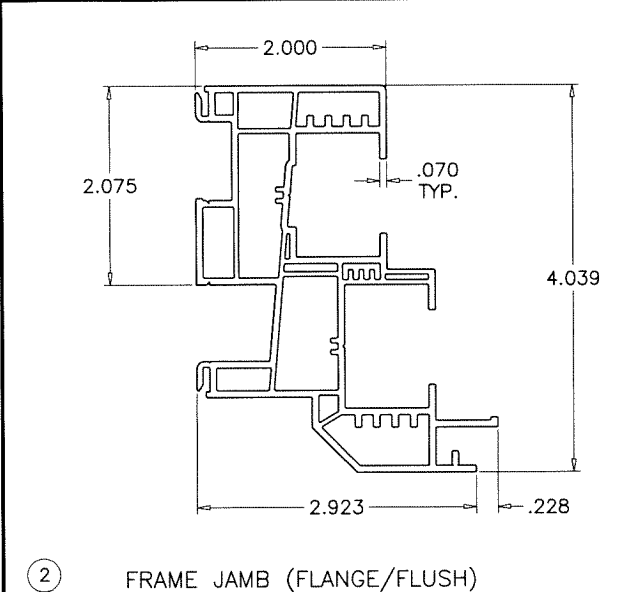
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scale: 1/2" = 1"	no	date	by description
dr. by: TARIQ			
chk. by:			
drawing no.			
19-13F			
sheet 9 of 11			



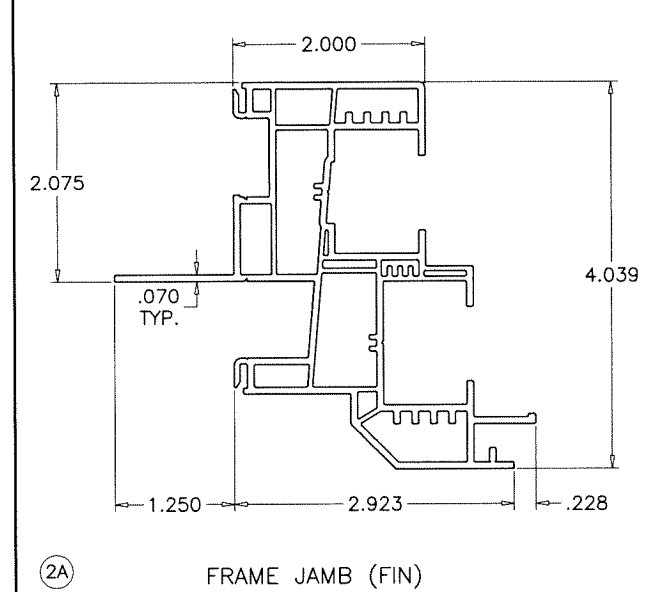
① FRAME HEAD (FLANGE/FLUSH)



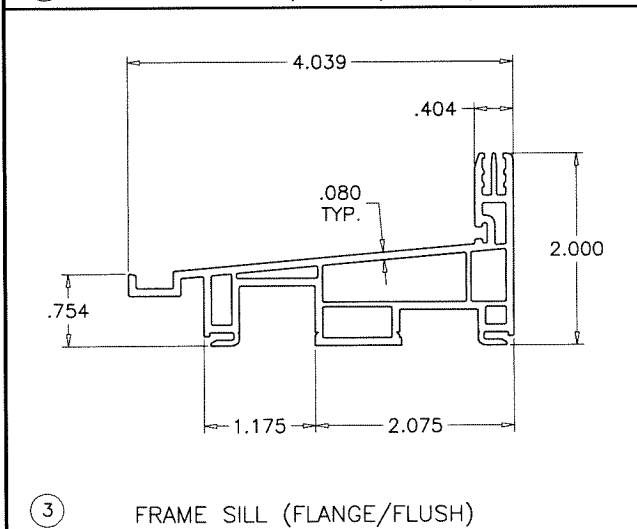
①A FRAME HEAD (FIN)



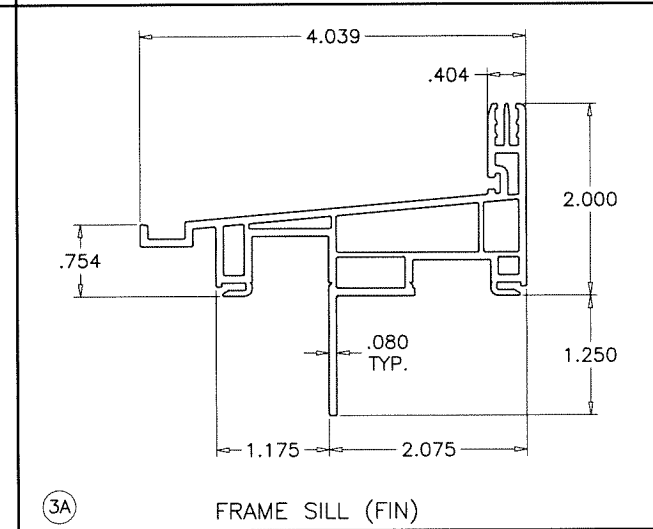
② FRAME JAMB (FLANGE/FLUSH)



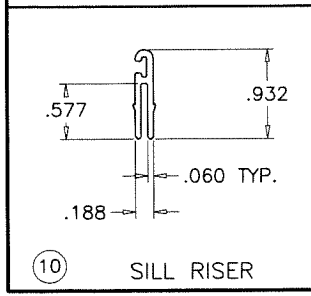
②A FRAME JAMB (FIN)



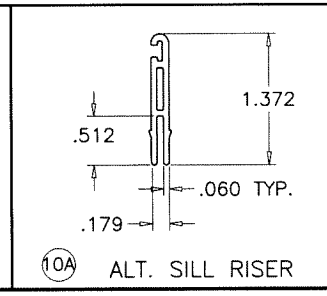
③ FRAME SILL (FLANGE/FLUSH)



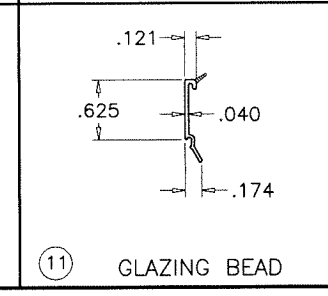
③A FRAME SILL (FIN)



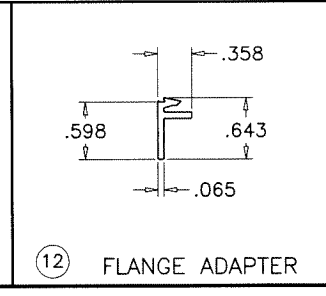
⑩ SILL RISER



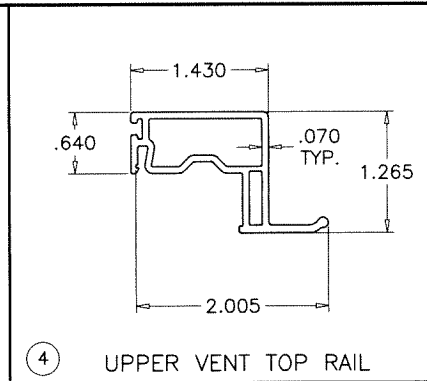
⑩A ALT. SILL RISER



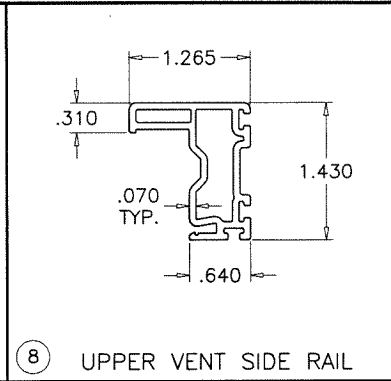
⑪ GLAZING BEAD



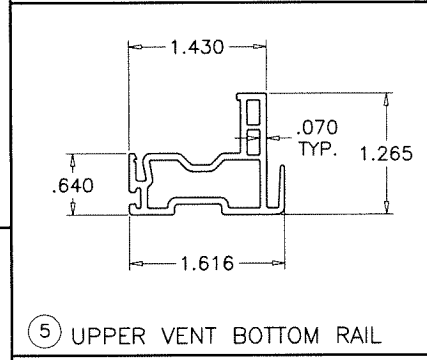
⑫ FLANGE ADAPTER



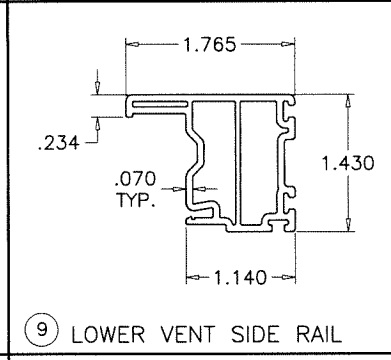
④ UPPER VENT TOP RAIL



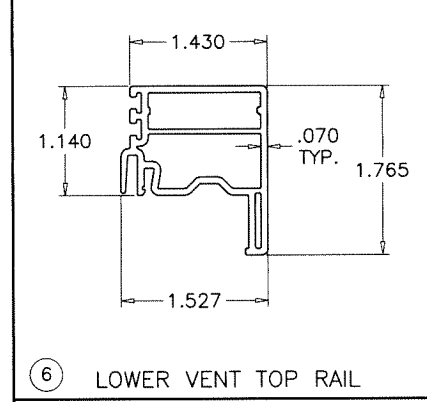
⑧ UPPER VENT SIDE RAIL



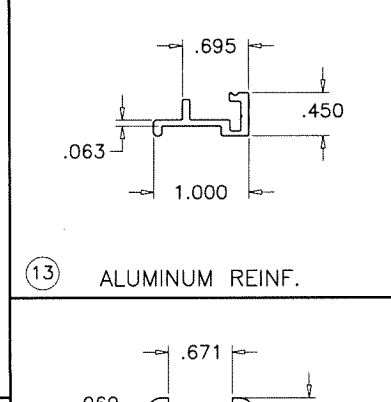
⑤ UPPER VENT BOTTOM RAIL



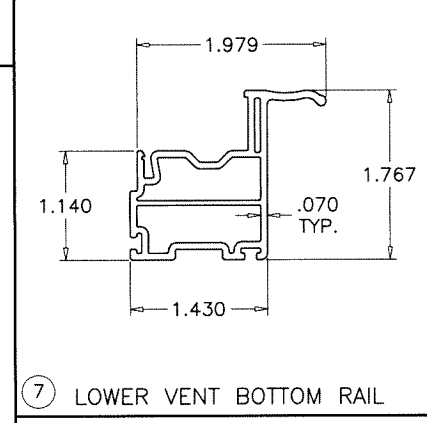
⑨ LOWER VENT SIDE RAIL



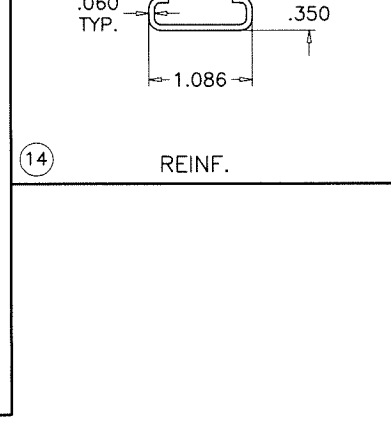
⑥ LOWER VENT TOP RAIL



⑬ ALUMINUM REINF.

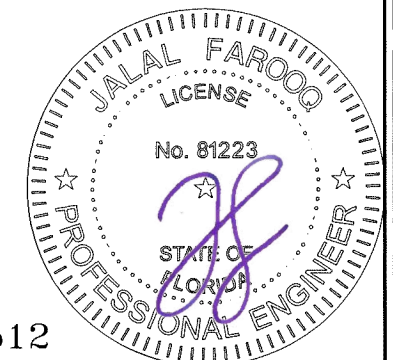


⑦ LOWER VENT BOTTOM RAIL



⑭ REINF.

Sealed: 9/25/2026



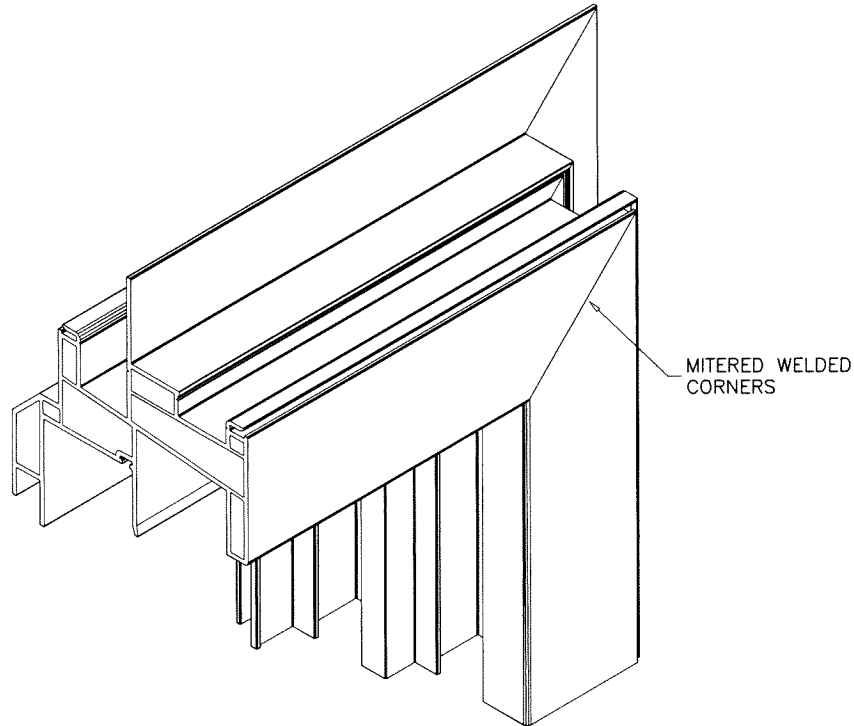
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-13F-VI

SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)
VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

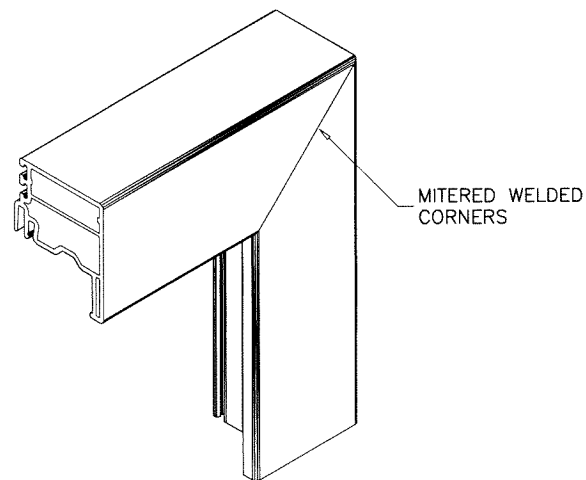
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no	date	no	date	no	date	no	date	no	date

drawing no.
19-13F
sheet 10 of 11

FL #29512



FRAME CORNERS



VENT CORNERS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	8910	1	FRAME HEAD (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
1A	8910	1	FRAME HEAD (FIN)	RIGID PVC	DECEUNINCK
2	8912/8913	2	FRAME JAMB (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
2A	8912/8913	2	FRAME JAMB (FIN)	RIGID PVC	DECEUNINCK
3	8911	1	FRAME SILL (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
3A	8911	1	FRAME SILL (FIN)	RIGID PVC	DECEUNINCK
4	5304	1	UPPER VENT TOP RAIL	RIGID PVC	DECEUNINCK
5	5309	1	UPPER VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
6	5308	1	LOWER VENT TOP RAIL	RIGID PVC	DECEUNINCK
7	5305	1	LOWER VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
8	5307	1	UPPER VENT SIDE RAIL	RIGID PVC	DECEUNINCK
9	5306	1	LOWER VENT SIDE RAIL	RIGID PVC	DECEUNINCK
10	5142	1	SILL RISER	RIGID PVC	DECEUNINCK
10A	5143	1	ALT. SILL RISER	RIGID PVC	DECEUNINCK
11	5144	AS REQD.	GLAZING BEAD	RIGID PVC	DECEUNINCK
12	8346	AS REQD.	FLANGE ADAPTER	RIGID PVC	DECEUNINCK
13	6604	AS REQD.	REINFORCING	6063-T6	-
14	6608	AS REQD.	REINFORCING	6105-T5	-
15	6598	AS REQD.	FOAM FILLED VINYL BULB W'STRIPPING	-	Q-LON, Q375T190
16	3515	AS REQD.	POLYPILE WITH FIN W'STRIPPING	-	ULTRAFAB
17	7531	2	VENT STOP	-	CENTRAL PLASTICS
18	7240T	2/ LITE	SETTING BLOCK	EPDM	TB PHILLY
19	-	AS REQD.	EXTRUDED ALUMINUM SCREEN (OPTIONAL)	-	LEADING EDGE

WHITE PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY AND STATE.

HARDWARE:

METAL SWEEP LOCK WITH ADJACENT KEEPERS BY 'TRUTH' LOCATED AT 12" FROM EACH END OF LOWER VENT TOP RAIL

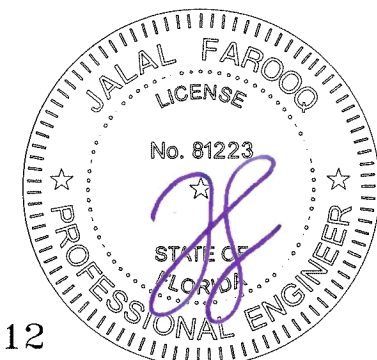
VINYL TILT LATCH BY 'FOUR-JAKS' AT EACH END OF UPPER VENT TOP RAIL AND AT EACH END OF LOWER VENT TOP RAIL

METAL PIVOT BARS BY 'FOUR-JAKS' LOCATED AT EACH END OF UPPER VENT BOTTOM RAIL AND LOWER VENT BOTTOM RAIL

NIGHT LATCHES BY 'FOUR-JAKS' LOCATED AT UPPER VENT, 3" ABOVE MEETING RAILS

CONSTANT FORCE BALANCE BY 'FOUR-JAKS' TWO IN EACH JAMB

Sealed: 9/25/2026



FL #29512

a f c
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